

MULTI-COMPONENT GAS ANALYZING METHOD USING FTIR METHOD

ABSTRACT

The present invention provides a multi-component gas analyzing method using FTIR, which can correct for an influence of a coexistent gas due to an intensity change in the spectrum itself that occurs depending on the base gas composition so that it is possible to carry out a measurement with high precision. A plurality of components in a sample are quantitatively analyzed based upon an absorption spectrum obtained by FTIR. After having calculated multi-component concentrations from a mixed gas spectrum by using a quantitative algorithm, calculations are further carried out so as to correct for a change in spectrum due to a coexistent gas component with respect to part of target components.

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